SPECTROSCOPIC STRUCTURAL INVESTIGATIONS OF CHARGE-TRANSFER COMPLEXES OF n-DONORS AND SIGMA- AND PI-ACCEPTORS

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Molecular charge transfer complexes of n-electron donors such as amines, pyridines and polynitrogen cyclic bases with both sigma- and pi-acceptors have been studied spectrophotometrically in chloroform. The reaction stoichiometries were determined using photometric titration methods. The formed CT-complexes are characterized and formulated based on electronic and infrared spectra as well as elemental and thermal measurements.